



## Undergraduate Review

---

Volume 9

Article 4

---

2013

# Table of Contents, Vol. 9, 2012/2013

Follow this and additional works at: [http://vc.bridgew.edu/undergrad\\_rev](http://vc.bridgew.edu/undergrad_rev)

---

### Recommended Citation

(2013). Table of Contents, Vol. 9, 2012/2013. *Undergraduate Review*, 9, 4-6.  
Available at: [http://vc.bridgew.edu/undergrad\\_rev/vol9/iss1/4](http://vc.bridgew.edu/undergrad_rev/vol9/iss1/4)

This item is available as part of Virtual Commons, the open-access institutional repository of Bridgewater State University, Bridgewater, Massachusetts.  
Copyright © 2013

# Table of Contents

Delineation and Characterization of the Furnace Brook Watershed in Marshfield, Massachusetts: Potential Impact of Water Supply Extraction <b>Erik Croll</b>	9
The Effects of Earlier School Start Times on Cognition and Sleep in Children Ages 7-10 <b>Kimberly Bryant</b>	16
Fluency in Bilingual Preschool Children <b>Jenna DeChristopher</b>	24
The Effect of Hydrochloric Acid Strength on the Nanometer-Scale Dissolution Topography of Calcite Crystal Surfaces <b>Jennifer Fruzzetti</b>	32
Exploring Diagonals in the Calkin-Wilf Tree <b>Matthew Gagne</b>	37
Ex-Prisoners' Perceptions of The Availability and Effects Of Programs and Services In Correctional Settings <b>Jenna Houston</b>	41
Modeling Plaque Aggregation on the Neuronal Network <b>Thomas Howard</b>	47
Letter from Israel <b>Marjorie Howe</b>	55
The Object of Desire: How Being Objectified Creates Sexual Pressure for Heterosexual Women in Relationships <b>Tiffany Hoyt</b>	62
Amygdalae Enlargement and Activation are Associated with Social Network Complexity in Individuals with Human Immunodeficiency Virus (HIV) <b>Christina Jasper</b>	68
Ancients, Moderns, and Americans: The Case of Tyranny <b>Alexandria LaRose</b>	75

The Examination of Ankle Joint Motion between Barefoot and Minimalist Running Shoes on Various Inclines <b>Stephanie Lloyd</b>	82
Terrorism in the Age of Obama: The Rhetorical Evolution of President Obama's Discourse on the War on Terror <b>Kelly Long</b>	87
Preliminary Findings: Speed-Accuracy Tradeoff in Windmill Fastball and Change-up Pitching <b>Kevin McElwee</b>	94
Defending Your DNA: Combating Threats both Foreign and Domestic <b>James McIsaac</b>	99
A Study in Sherlock <b>Rebecca McLaughlin</b>	105
Characterization and Investigation of At2g42005 in <i>Arabidopsis thaliana</i> , a Nematode-Induced Transporter <b>Rachel Medina</b>	110
The Consumption of Children in a Capitalistic Society <b>Jessica Melendy</b>	116
Early to Bed, Early to Rise: How Changing to an Earlier School Start Time Affects Sleep Patterns and Cognitive Functioning in School-Aged Children <b>Laura Pistorino</b>	119
What was that again, Congenital Disorder of Glycosylation? <b>Janelle Roberts</b>	128
Computer Programming to Advance Gravitational Lensing <b>Alex Roche</b>	135

Plimoth Plantation Producing Historical Knowledge Through Performance 141  
**Ashley Rose**

An Investigation of the Look Away Behavior in Domestic Dogs 145  
**Sarah Scott**

Diverse Mechanisms of Trinucleotide Repeat Disorders: An Exploration of Fragile X Syndrome and Huntington's Disease 151  
**Cara Strobel**

The Role of Temporal Comparisons in Judgments of Gender Equality 157  
**Meghan Sullivan and Zeely Sylvia**

Virtual Ideals: The Effect of Video Game Play on Male Body Image 163  
**Zeely Sylvia**

## **1ST AND 2ND YEAR WORK**

Car Modification: A Vehicle for Self Expression 170  
**Emily Kearns**

God of Manga or Devil of the Medium? 174  
**Michael Rose**

A Greener Disney 177  
**Cidalia Pina**